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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/826,583	04/06/2001	Marc Unger	20174-003010US	6679
20350 7	590 12/18/2002			
TOWNSEND AND TOWNSEND AND CREW, LLP TWO EMBARCADERO CENTER EIGHTH FLOOR SAN FRANCISCO, CA 94111-3834			EXAMINER	
			CHAMBERS, A MICHAEL	
SANTRANCI	3CO, CA 94111-3634		ART UNIT	PAPER NUMBER
			3753	
			DATE MAIL ED. 12/19/2002	•

Please find below and/or attached an Office communication concerning this application or proceeding.

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Office Action Summary

Application No. 09/826,583

Applicant(s)

riner

A. Michael Chambers

Art Unit **3753**

Unger et al

The MAILING DATE of this communication appears	s on the cover sheet with the correspondence address			
Period for Reply				
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.				
 Extensions of time may be available under the provisions of 37 CFR 1.136 (a). In mailing date of this communication. 				
 If the period for reply specified above is less than thirty (30) days, a reply within. If NO period for reply is specified above, the maximum statutory period will apply. Failure to reply within the set or extended period for reply will, by statute, cause. Any reply received by the Office later than three months after the mailing date of earned patent term adjustment. See 37 CFR 1.704(b). 	and will expire SIX (6) MONTHS from the mailing date of this communication.			
Status				
1) Responsive to communication(s) filed on				
2a) ☐ This action is FINAL . 2b) ☒ This ac	tion is non-final.			
closed in accordance with the practice under $Ex partial$	except for formal matters, prosecution as to the merits is arte Quayle, 1935 C.D. 11; 453 O.G. 213.			
Disposition of Claims				
4) 🛛 Claim(s) <u>1-25 and 32-43</u>	is/are pending in the application.			
4a) Of the above, claim(s)	is/are withdrawn from consideration.			
5) Claim(s)				
6) X Claim(s) 1-25 and 32-43				
7) Claim(s)				
	are subject to restriction and/or election requirement.			
Application Papers				
9) \square The specification is objected to by the Examiner.				
10) The drawing(s) filed onis/are	e a) \square accepted or b) \square objected to by the Examiner.			
Applicant may not request that any objection to the c				
	is: a) approved b) disapproved by the Examiner.			
If approved, corrected drawings are required in reply				
12) \square The oath or declaration is objected to by the Exam				
Priority under 35 U.S.C. §§ 119 and 120				
13) Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).				
a) All b) Some* c) None of:				
1. Certified copies of the priority documents have been received.				
2. Certified copies of the priority documents have	e been received in Application No			
	ocuments have been received in this National Stane			
*See the attached detailed Office action for a list of the	e certified copies not received.			
14) Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e).				
a) The translation of the foreign language provisional application has been received.				
15) Acknowledgement is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.				
Attachment(s)				
1) X Notice of References Cited (PTO-892)	4) Interview Summary (PTO-413) Paper No(s).			
2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 5) Notice of Informal Patent Application (PTO-152)				
3) Information Disclosure Statement(s) (PTO-1449) Paper No(s).	6) Other:			

Application/Control Number: 09/826,583

Art Unit: 3753

DETAILED ACTION

This application has been examined. This action is in response to a preliminary 1. amendment filed August 28, 2001 This application is a continuation-in-part(C-I-P) of serial number 09/724,784, filed November 28, 2000, pending, which is a C-I-P of serial number 09/605,520, filed June 27, 2000. These application claim benefit from provisional applications 60/141, 503, filed June 28, 1999 and 60/147,199, filed August 3, 1999 and 60/186,856, filed March 3, 2000. Applicants have included an incorporation of an Appendix A "Monolithic Microfabricated Valves and pumps by Multilayer Soft Lithography", Unger et al, Vol. 288, pp 113-116 (April 7, 2000). Applicants are asked to clarify what appears Science, to an incorporation of this PRIOR ART (pages 87-90) as part of the specification of the instant application. ? Is it part of the specification or PRIOR ART? If it is part of the specification it is incorrectly inserted as a "typed portion of the specification". The Examiner believes it is PRIOR ART and has been applied against the claims. Applicants are asked to update the status of documents on page 86 in response to this Office action. Are these the same documents discussed above ?.Information disclosure documents(IDS) LISTINGS ONLY have been filed October 10, 2001, January 4, 2002, May 7, 2002, and August 5, 2002. Applicants are requested to provide a copy of the IDS LISTING filed May 7, 2002. No copies of the documents were included with the LISTINGS(4), many of which are Non Patent Literature Documents, and have NOT been considered. Claims 26-31 have been canceled and claims 1-25 and 32-43 are pending.

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Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the 2.

basis for the rejections under this section made in this Office action:

(a) the invention was known or used by others in this country, or patented or described in a printed

publication in this or a foreign country, before the invention thereof by the applicant for a patent.

Claims 1-25 and 32-43 are rejected under 35 U.S.C. 102 (b) as being by anticipated by 3.

"Monolithic Microfabricated Valves and pumps by Multilayer Soft Lithography", Unger et al,

Vol. 288, pp 113-116 (April 7, 2000), discussed above. Applicants are asked to Science.

discuss it's relevance and the differences between this document and the claims of the instant

application in response to this Office action. AND-type-truth table and NOR-type-truth table is

deemed to be a function of which channels are opened or closed (i.e., have fluid or do not) and

are deemed to determined by the actuation of the particular channel of the fluid logic device of

Figure 1 of "Unger et al".

4. Claims 1-25 and 32-43 are rejected under 35 U.S.C. 102(b) as being anticipated by

Holster. AND-type-truth table and NOR-type-truth table is deemed to be a function of which

channels are opened or closed (i.e., have fluid or do not) and are deemed to determined by the

actuation of the particular channel of the fluid logic device of Figures 1 and 3 (Note the truth

table clearly shown in Figure 3 (column 5, lines 11+).

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Conclusion

- 5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.
- 6. Any inquiry concerning this communication communications from the Examiner should be directed to A. Michael Chambers whose telephone number is (703) 308-1016 (FAX (703) 308-7765).

amc

December 15, 2002

A. MICHAEL CHAMBERS
PRIMARY EXAMINER
ART UNIT 3753